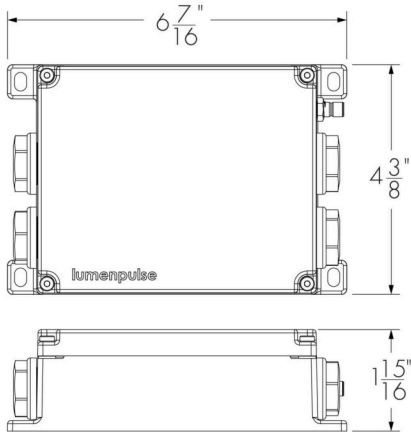


Project Name

Qty

Type

Catalog / Part Number



Top view

Front view

Controls

DMXrdm

Ratings

IP66

Lumencycle™ Program



Certifications



Description

The Lumenpulse Low-Voltage Splitter Box is the home of our new Lumengrid technology. Containing a control card, it splits power and DMX/RDM data towards the next Low-Voltage Splitter Box and Lumenfacade Nano fixture runs. Add unlimited amount of LCBXs within the total power supply wattage for highly flexible, scalable projects.

Features

Option	Corrosion-Resistant Coating for Hostile Environments
Warranty	5-year limited warranty

Electrical and Control

Input Voltage	48 VDC
Output Voltage	48 VDC
Power and Data Connections	1/2" provision hole for 1/2" NPT, PG16 or 20mm
Control	DMX/RDM Enabled

Physical

Housing Material	Cast aluminum
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.5 lbs

Environmental

Storage Temperature	-58 °F to 185 °F
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66

Accessories (Order Separately)

Cables Trunk Power Cable (TKPWR), Trunk Data Cable (TKDMX)

Important

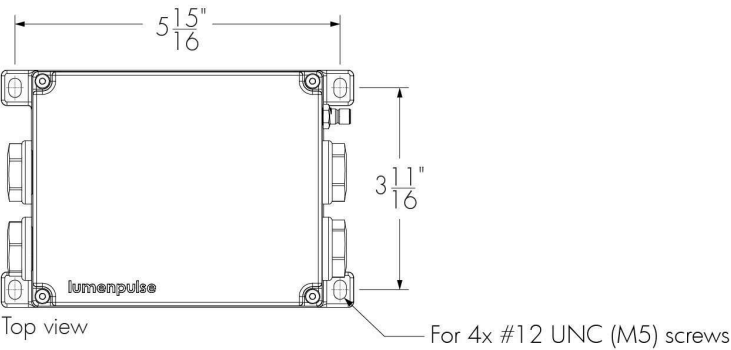
Virtual Patent Marking Notice

This website (<https://www.lmpg.com/patents-trademarks>) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

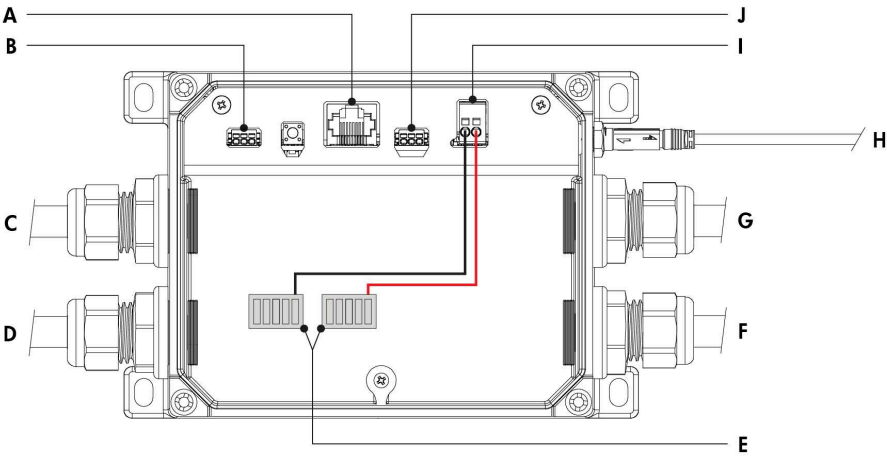
Lumencycle™ Program

Lumencycle is a comprehensive program designed to maximize the life of Lumenpulse fixtures while preserving their performance, quality, and design intent. Built around three pillars—Repair, Restore, and Recycle—the program provides clear pathways to maintain existing installations, restore fixtures, and responsibly manage them at end of life. For full program details, visit <https://www.lumenpulse.com/lumencycle>.

Mounting Details



Typical Layout



- A - RDM debug port
- B - Data input port
Wire gauge range: 26-20 AWG [0.13-0.52mm²]
- C - 48 VDC input
- D - Data input
- E - Power input/output terminal connectors
Wire gauge range: 24-12 AWG [0.20-3.31mm²]
- F - Optional data output to next LSBX
- G - Optional power output to next LSBX
- H - Output to fixture, Lumenfacade Nano Jumper Cable
- I - Power input port
- J - Data output port
Wire gauge range: 26-20 AWG [0.13-0.52mm²]

Refer to installation instructions for additional wiring details.

Cables (Order Separately)

TKPWR - Trunk Power Cable

WIRING COLOR CODE		
UL WIRE COLOR	CE WIRE COLOR	USE
BLACK, BLACK/WHITE	GREY, GREY/WHITE	COMMON
RED, RED/WHITE	BROWN, BROWN/WHITE	48 VDC

TKPWR-CERTIFICATION-LENGTH-CABLE COLOR

Please specify:
CERTIFICATION: UL or CE; **LENGTH:** 50 ft to 500 ft (available in 50 ft increments) or 1000 ft; **CABLE COLOR:** Black

- Type SJTW
- Diameter 0.48 in
- Four conductors (12 AWG/3.31mm² per conductor)
- 300V, up to 221 °F

TKDMX - Trunk Data Cable

WIRING COLOR CODE	
UL/CE WIRE COLOR	USE
PURPLE	DATA +
ORANGE	DATA -
GREY	SIGNAL COMMON

TKDMX-CERTIFICATION-LENGTH-CABLE COLOR

Please specify:
CERTIFICATION: UL or CE; **LENGTH:** 50 ft to 500 ft (available in 50 ft increments) or 1000 ft; **CABLE COLOR:** Black

- Type CL3 communication cable
- Diameter 0.17 in
- Three conductors (24 AWG/0.20mm² per conductor)
- Up to 221 °F

How to Order

Housing	Input Voltage	Output Voltage	Control	Finish	Option	Certification
LSBX Low-voltage splitter box ⁽¹⁾	48V 48 VDC	48V 48 VDC	DMX/RDM DMX/RDM Enabled	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Color & Finish ⁽²⁾ ⁽³⁾ ⁽⁴⁾	CRC Corrosion-Resistant Coating ⁽⁵⁾ ⁽⁶⁾	UL UL Compliant CE CE Compliant

Notes:

1. Consult factory for power supply recommendations for use with the LSBX.

2. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
3. Setup charges apply for RAL colors. Consult factory for details.

4. Longer lead times can be expected for custom RAL color finishes.

5. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

6. Setup charges apply. Consult factory for details.